Nebraska.—Genoa, 13th, 21st; Omaha, 22d; Red Willow, 2d, 13th, 22d.

New Jersey .- Barnegat City, 28th; Freehold, 28th; Moores and Charleston. town, 30th.

New Mexico.-Fort Union, 11th.

Westerville, 29th.

Tennessee.—Ashwood, 4th.

Texas.—Fort Stockton, 13th, 19th.

Virginia.—Norfolk, 5th.

Wyoming.—Cheyenne, 7th.

SNOW.

Cheyenne, Wyoming.—A very light spowfall occurred here on the morning of the 22d, lasting from 6.30 to 10 a.m.

Mount Washington, New Hampshire.—The sleet storm which prevailed here on the 25th changed to snow at 10.40 p. m.

Marquette, Michigan.—Light snow fell at this place from 7.05 to 7.15 p. m. of the 27th.

Fort Totten, Dakota.—A light sprinkle of snow fell here between 8 and 9 a. m. of the 27th.

Neillsville, Clark county, Wisconsin.—Light snow fell here on the morning of the 28th.

Webster, Day County, Dakota.—The first snow of the season fell at this place on the 28th.

Saint Paul, Minnesota.—A light flurry of snow fell here from 6.20 to 10.20 p. m. on the 28th. Light snow also fell on this date at Minneapolis and Owatonna, Minnesota; and Saint Ig- 1883, at the Signal Service stations, are shown on chart iii., by nace and Sheboygan, Michigan. At Owatonna the walks and arrows flying with the wind. In the states bordering on the Atroofs of houses were covered to a depth of one inch.

at 9 p. m. of the 29th.

inches of snow fell in the northern part of this county during west Gulf states, from the east and southeast; on the Pacific the night of September 29th.

SLEET.

Mount Washington, New Hampshire, 3d, 25th, 30th. Pike's Peak, Colorado, 2d, 3d. Traverse City, Michigan, 8th.

Table of rainy and cloudy days, relative humidity, and dew-point for Sept., 1883. | various districts:

Districts,	Rainy days. Cloudy days.		Rel, humidity, *	Dew-point.	
			Percentages.	O 4;	
New England Middle Atlantic states South Atlantic states Florida peninsula East Gulf West Gulf Rio Grande valley Ohio valley Tennessee Lower lakes Extreme northwest Upper Mississippi valley Missouri valley Northern slope Middle slope Southern plateau North Pacific Middle Pacific South Pacific Mt Washington, N. H. Pike's Peak, Col	5 114 1 7 " 16 7 " 17 1 3 " 7 " 17 1 3 " 7 " 17 1 4 4 " 12 1 5 " 19 1 8 " 10 1 4 4 5 1 3 " 11 1 3 " 9 1 1 8 " 10 1 1 1 8 " 10 1 1 1 8 " 10 1 1 1 1 8 " 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	" 7 " 15 " 15 " 15 " 1 " 2 " 5 " 17 " 19 " 2 " 5 " 17 " 17 " 17 " 17 " 17 " 17 " 17	Procentages. From 66.9 to 78.7 65.1 " 83.8 67.8 " 85.6 " 74.5 " 78.4 " 64.1 " 71.4 " 62.5 " 79.4 86.0 " 66.9 " 72.5 " 67.1 " 74.5 " 68.6 " 77.6 " 60.4 " 79.5 " 62.1 " 70.4 " 61.0 " 73.1 " 44.0 " 68.2 " 47.7 " 61.1 " 429.4 " 52.6 " 51.1 " 61.5 " 68.8 " 84.9 " 36.7 " 76.7 " 41.9 " 72.5	48.5 " 63.1 " 55.2 " 69.4 " 69.6 " 74.0 " 61.0 " 66.6 " 55.0 " 70.8 " 70.2 " 50.2 " 70.2 " 55.5 " 60.1 " 47.8 " 51.8 " 42.7 " 49.7 " 38.4 " 43.8 " 45.9 " 56.7 " 38.4 " 44.3 " 38.0 " 50.7 " 36.1 " 49.9 " 40.0 " 41.3 " 40.0 " 41.3 " 48.0 " 54.6 " 55.5 " 58.9 " 34.4	
Salt Lake City, Utah Fort Stockton, Texas	Five	One	35-3	23.9 39.8 57.0	

[·] Relative humidity corrected for altitude.

COTTON REGION REPORTS.

In the cotton growing states the rainfall for September, 1883, in all districts, except for the district of Wilmington, where there has been an excess of 5.87 inches. The largest deficiencies, 3.11, 2.83, and 2.30, occurred, respectively, in the districts of Augusta, Savannah, and Montgomery.

The means of the maxima temperatures in the western disof the eastern districts they are lower. The means of the lows: 68, se., 28th; 96, se., 29th; 76, se., 30th.

minima temperatures are generally lower, the greatest deficiencies occurring in the districts of Little Rock, Memphis,

Temperature and rainfall averages for the various districts in the cotton region, as shown in the following table, are deter-New York.—Ithaca, 29th. mined from observations made at the stations Ohio.—Cleveland, 29th; Toledo, 29th; Wauseon, 23d, 29th; vi., issued with the Review for April, 1882: mined from observations made at the stations shown on chart

Meteorological Record of the Cotton Districts for the months of September, 1882

		Temperatur			ures,		Extremes	
Average rainfall in inches, Districts,		Mean of the maxima.	÷,	Mean of the minima.			for Sept., 1883.	
1882. 1883.	Depart- ures.	1882. 1883.	Chang	1882.	1883.	Change	Max.	Min.
New Orleans 2.64 1.22	- 1.42 - 2.83 - 1.35 - 1.43 + 5.87 - 0.64 - 0.92 - 0.62 - 2.30 - 3.11	87.1 86.5 84.8 84.5 82.3 83.4 81.7 79.7 85.3 88.7 85.3 88.0 84.3 86.5	+ 1.7 - 0.6 - 0.3 + 1.1 - 2.0 + 1.9 + 3.3 - 2.9	67.2 64.9 62.3 62.8 60.3	66.2 65.6 61.0 61.1 61.2 56.3 65.1 61.2 60.8 63.7	0 - 1.5 - 1.6 - 3.9 - 1.2 - 1.6 - 4.0 + 0.3 - 0.5 - 1.2 - 0.7	10 2 97 97	33 49 45 40 46 31 39 45 39
Little Rock 2.32 0.63 Mobile 1.39 0.64	- 1.69 - 0.75	83.3 87.7	+ 4.4 + 4.8		53.3 62.8	- 5.7 0.0	102	40 40

WINDS.

The most frequent directions of the wind during September, lantic, from New Jersey southward, they were from the north-La Crosse, Wisconsin .- A few flakes of snow fell at this place east; in New England, from the south and southwest; in the lake region, Ohio and upper Mississippi valleys, from the north-Farmington, Franklin county, Maine, October 1st.—Three east and east; in the Missouri valley, from the north; in the coast, from north and northwest.

TOTAL MOVEMENTS OF THE AIR.

[In miles.]

In the following table are given the stations reporting the largest and smallest total movements of the air in each of the

	Districts,	Stations reporting largest.	Miles,	Stations reporting smallest,	Miles,
3 3 7 3 3 7 3 3 3 7 3 3 3 7 3 3 3 7 3 3 3 3 7 3	Mew England. Middle Atlantic states South Atlantic states Florida peninsula East Gulf. West Gulf. Ohio valley Tennessee Lower lakes Lyper lakes Extreme northwest Eyper Mississippi valley Missouri valley Morthern slope Middle slope Southern plateau North Pacific Middle Pacific Middle Pacific South Pacific	Block Island, R. L Del. Breakwater, Del Kittyhawk, N. C Cedar Keys, Fla Pensacola, Fla Galveston, Texas. Loutsville, Ky Nashville, Ky Nashville, Mich Bismarck, Dak Saint Louis, Mo Huron, Dak North Platte, Neb Fort Elliott, Texas Fort Grant, Ariz. Dayton, Wosh Fort Canby, Washt San Diego, Cal	12,666 12,438 5,099 4,573 5,838 5,463 3,925 8,605 7,134 6,125 7,658 7,365 6,007 5,882 2,799 7,052	New London, Conn. Lynchburg, Va	3,981 2,360 2,757 4,160 2,324 2,202 1,840 2,976 4,783 5,344 4,783 2,385 1,303 2,385 1,705 1,705 1,064 3,657 2,605
' '					— —.

† For 29 days only.

On the summits of Mount Washington, New Hampshire, and Pike's Peak, Colorado, the total movements of the air were 17,665, and 10,277, miles respectively.

HIGH WINDS.

On the summit of Mount Washington, New Hampshire, maxas compared with that for September, 1882, shows deficiencies imum velocities of fifty miles or more per hour occurred on the following dates: 3d to 9th and 24th to 29th, inclusive. The highest velocities recorded were as follows: 80, nw., 3d; 72, nw., 5th; 108, nw., 9th, maximum for the month; 104, nw., 24th; 72, nw., 26th.

At Cape Mendocino, California, the wind velocities were retricts are higher than those for September, 1882, while in some corded on only three days during the month, which are as fol-